



Analytical Laboratory

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Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2
Phone: 980-875-5245 Fax: 980-875-4349

Order Summary Report

Order Number: J10100033

Customer Name(s): Sue Wallace, Matthew Dorn, Mark Harper, Todd Spade, Tara Thomas

Customer Address: 11021 BROWER RD.

NORTH BEND, OH 45052

Lab Contact: Theron T James **Phone:** 704-875-4795

Report Authorized By: _____ **Date:** 10/29/2010
(Signature)

Program Comments:

Miami Fort NPDES Week 1

Data Flags & Calculations:

Any analytical tests or individual analytes within a test flagged with an "X" or "1" indicate a deviation from the method quality system or quality control requirement. All results are reported on a dry weight basis unless otherwise noted.

Data Package:

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report, Sample Identification, Technical Validation of Data Package, Analytical Laboratory Certificate of Analysis, Analytical Laboratory QC Reports, Sub-contracted Laboratory Results, Customer Specific Data Sheets, Reports & Documentation, Customer Database Entries, Test Case Narratives, Chain of Custody (COC)

Certification:

The Analytical Laboratory holds the following State Certifications : North Carolina (DENR) Certificate #248, South Carolina (DHEC) Laboratory ID # 99005. Contact the Analytical Laboratory for definitive information about the certification status of specific methods.

The results in this report meet NELAP requirements through New York State Department of Health Certification # 11717.

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date and Time	Collected By	Sample Description
2010008810	MIAMI-FORT	05-Oct-10 8:00 AM	Mark Harper	OUTFALL 002
2010008820	MIAMI-FORT	05-Oct-10 8:10 AM	Mark Harper	OUTFALL 608
2 Total Samples				

Technical Validation Review

Checklist:

COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures).

☒ Yes

☐ No

All Results are less than the laboratory reporting limits.

☐ Yes

☒ No

All laboratory QA/QC requirements are acceptable.

☒ Yes

☐ No

The Vendor Laboratories have been qualified by the Analytical Laboratory

Yes

Report Sections Included:

☒ Job Summary Report

☒ Sample Identification

☒ Technical Validation of Data Package

☒ Analytical Laboratory Certificate of Analysis

☐ Analytical Laboratory QC Report

☐ Sub-contracted Laboratory Results

☐ Customer Specific Data Sheets, Reports, & Documentation

☐ Customer Database Entries

☐ Test Case Narratives

☒ Chain of Custody

☐ Electronic Data Deliverable (EDD) Sent Separately

Reviewed By: Jenny A Herman

Date: 10/29/2010

Certificate of Laboratory Analysis*This report shall not be reproduced, except in full.***Order # J10100033**

Site: OUTFALL 002

Collection Date: 05-Oct-10 8:00 AM

Sample #: 2010008810

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<u>TOTAL DISSOLVED SOLIDS</u>							
TDS	1200	mg/L		10	SM2540D	07-Oct-10 15:20	CLEEMAN

Site: OUTFALL 608

Collection Date: 05-Oct-10 8:10 AM

Sample #: 2010008820

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<u>ALKALINITY (FIXED END POINT 4.5)</u>							
Alkalinity (mg/L CaCO ₃)	1400	mg/L (CaC		0.1	SM2320B	08-Oct-10 09:17	CLEEMAN
<u>INORGANIC IONS BY IC</u>							
Chloride	6600	mg/L		100	EPA 300.0	07-Oct-10 13:13	CLEEMAN
Fluoride	12	mg/L		10	EPA 300.0	07-Oct-10 13:13	CLEEMAN
Sulfate	17000	mg/L		200	EPA 300.0	07-Oct-10 13:13	CLEEMAN
<u>TOTAL METALS BY ICP</u>							
Boron (B)	382	mg/L		2.5	EPA 200.7	11-Oct-10 14:48	MHH7131
Manganese (Mn)	0.076	mg/L		0.005	EPA 200.7	11-Oct-10 14:48	MHH7131

TOTAL RECOVERABLE METALS BY ICP-MS

Arsenic (As)	< 20	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Barium (Ba)	118	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Cadmium (Cd)	< 20	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Chromium (Cr)	< 20	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Copper (Cu)	< 20	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Iron (Fe)	133	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Lead (Pb)	< 20	ug/L		20	EPA 200.8	12-Oct-10 10:30	KRICHA
Zinc (Zn)	44.8	ug/L		40	EPA 200.8	12-Oct-10 10:30	KRICHA

TOTAL DISSOLVED SOLIDS

TDS	39000	mg/L		10	SM2540D	07-Oct-10 15:20	CLEEMAN
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TOTAL SUSPENDED SOLIDS

TSS	10	mg/L		5	SM2540D	07-Oct-10 19:33	CLEEMAN
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